

Product datasheet for **RG207702**

PPAN (NM_020230) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPAN (NM_020230) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPAN
Synonyms:	BXDC3; SSF; SSF-1; SSF1; SSF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207702 representing NM_020230
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGACAGTCAGGGAGTCCCAGCACCAAGCGCGCCCGCCAGGCGCAGTCCGCAACCTCGAGG
 CCTATGCCGGAACCCGACTCGTTCGTGTTACGCGAGGCTGCACGGTTCGCAACATCCGGCAGCTCAG
 CCTGGACGTGCGGCGGGTTCATGGAGCCGCTCACTGCCAGCCGCTGCAGGTTCTGAAGAAGAACTCGCTG
 AAGGACTGCGTGGCAGTGGTGGCCCTCGGGGTACACACTTTCTGATCCTGAGCAAAACAGAGACCA
 ATGTCTACTTTAAGCTGATGCGCTCCCAGGAGGCCACCTTGACCTCCAGGTCAAGAAGTACTCGCT
 GGTGCGTGTGGTCTCCTCACTGCGCCGCCACCGCATGCACGAGCAGCAGTTTGGCCACCCACCCCTC
 CTGGTACTCAACAGCTTTGGCCCCATGGTATGCATGTGAAGCTCATGGCCACCATGTTCCAGAACCTGT
 TCCCTCCATCAACGTGCACAAGGTGAACCTGAACACCATCAAGCGCTGCCTCCTCATCGACTACAACCC
 CGACTCCCAGGAGCTGGACTTCCGCCACTATAGCATCAAAGTTGTTCTGTGGGCGGAGTCCGGGGATG
 AAGAAGCTGCTCCAGGAGAAGTTCCCAACATGAGCCGCTGCAGGACATCAGCGAGCTGCTGGCCACGG
 GCGCGGGGCTGTGCGGAGCGGAGGCAGAGCCTGACGGCGACCACAACATCACAGAGCTGCCTCAGGCTGT
 CGCTGGCCGTGGCAACATGCGGGCCAGCAGAGTGCAGTGCAGGCTCACCGAGATCGGCCCGGGATGACA
 CTGCAGCTCATCAAGTCCAGGAGGGCTCGGGGAGGGCAAAGTATGTTCCACAGTTTTGTGAGCAAGA
 CGGAGGAGGAGCTGCAGGCCATCCTGGAAGCAAGGAGAAGAAGTGCAGGCTGAAGGCGCAGAGGCGAGGC
 CCAGCAGGCCAGAATGTGCAGCGCAAGCAGGAGCAGCGGGAGGCCACAGAAAGAAGAGCCTGGAGGGC
 ATGAAGAAGGCACGGTTCGGGGTAGTGTGAAGAGCCCTCTGGGATCCCTTCAAGGACGGCGAGCCTGG
 AGTTGGGTGAGGACGATGATGAACAGGAAGATGATGACATCGAGTATTTTCCAGGCTGGGCGAGGC
 GCCCAGTGAGGACCTGTTCCCGAGGCCAAGCAGAAACGGCTTGCCAAGTCTCCAGGCGGAAGCGGAAG
 CGGTGGGAAATGGATCGAGGCAGGGTTCGCTTTGTGACCAGAAGTTTCCAAGCAAGGACAAGTCCC
 AGGGAGCCAGGCCAGGCGGGGCCAGAGGGCTTCCGGGATGGTGGGCGAGGCCGGGCCGGGGCCG
 CCCAGGGAAGAGAGTGGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207702 representing NM_020230
 Red=Cloning site Green=Tags(s)

MGQSGRSRHHQKRARAQQLRNLEAYAANPHSFVFRGCTGRNIRQLSLDVRVMEPLTASRLQVRKKNLSL
 KDCVAVAGPLGVTHFLILSKTETNVYFKLMRLPGGPTLTFQVKKYSLVRDVVSSLRHRMHEQQFAHPPL
 LVLNSFGPHGMHVKLMATMFQNLFPSINVHKVNLNTIKRCLLIDYNPDSQELDFRHYSIKVVVPGASRGM
 KKLLQEKFPMNSRLQDISSELLATGAGLSESEAEPDGDHNI TELPQAVAGRNMRAQQSAVRLTEIGPRMT
 LQLIKVQEGVGEKVMFHSFVSKTEELQAILEAKEKKLRLKAQRQAQQQNVQRKQEQREAHKKSLLEG
 MKKARVGGSDDEEASGIPSRASLELGEDDDEQEDDDIEYFCQAVGEAPSEDLFPEAKQKRLAKSPGRKRK
 RWEMDRGRRLCDQKFPKTKDKSQGAQARRGPRGASRDGGRGRGRGPRGKRV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_020230

ORF Size: 1419 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_020230.7](#)

RefSeq Size: 1679 bp

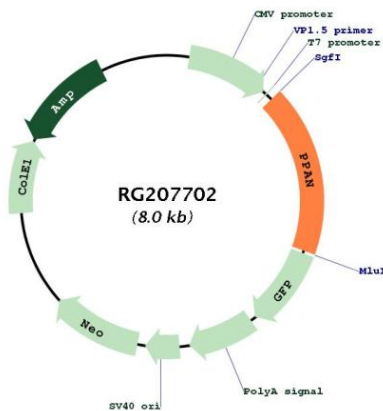
RefSeq ORF: 1422 bp

Locus ID: 56342

UniProt ID: [Q9NQ55](#)

Cytogenetics:	19p13.2
Domains:	Brix
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Gene Summary:	The protein encoded by this gene is an evolutionarily conserved protein similar to yeast SSF1 as well as to the gene product of the Drosophila gene peter pan (ppan). SSF1 is known to be involved in the second step of mRNA splicing. Both SSF1 and ppan are essential for cell growth and proliferation. Exogenous expression of this gene was reported to reduce the anchorage-independent growth of some tumor cells. Read-through transcription of this gene with P2RY11/P2Y(11), an adjacent downstream gene that encodes an ATP receptor, has been found. These read-through transcripts are ubiquitously present and up-regulated during granulocyte differentiation. [provided by RefSeq, Nov 2010]

Product images:



Circular map for RG207702